

APPENDIX C  
AUTOMATION EQUIPMENT (AE) SUBJECT  
TO EXCESS REPORTING AND SCREENING

NOTE : Special considerations affecting this Appendix are contained in Chapter 2.

Access Control Register  
Accumulators  
Accumulator Register  
Accumulator- Indicator, Data Reduction Systems  
Acoustic Delay Line  
Acoustinet  
Adapter Unit  
Adder  
AE Spare Parts  
Amplifier, Buffer  
Amplifier, Computer  
Amplifier, Data Acquisition System  
Amplifier, Differential  
Amplifier, Magnetic Drum Storage Data  
Amplifier, Motor Drive, Tape Recorder  
Amplifier, Operational, Analog Computer  
Amplifier, Recording and Reproducing Magnetic Tape  
Amplifier, Reproducing, Magnetic Tape  
"Amplifier Storer, Computer "  
Amplifier, System Analog Computer  
Amplifier, System Tape Recorder  
Analog Comparator  
Analog Computer System  
Analog Integrator  
Analog Limiters  
Analog Multiplexer  
Analog Network  
Analog Processor-Controller  
Analog Tape Recorder  
Analog Tape Recorder, Broadband (Video)  
Analog to Digital Converter  
Analyzer, Audio  
Analyzer, Automatic  
Analyzer, Digital Differential  
Analyzer, Electric Differential  
Analyzer, Logic  
Analyzer, Mechanical Differential  
Analyzer, Nuclear  
Analyzer, Spectrum  
Angle Measuring Unit, Film Reader  
Antenna Position Programmer  
Arithmetic-Logic Unit  
Arithmetic Unit, Computer  
Assembly Unit  
Assimilator, Data  
Attenuator, Coefficient, Analog Computer

Automated Test Set  
Automatic Data Exchange System  
Automatic Data Logging System  
Automatic Material Handlers  
Automatic Network Analyzer  
Automatic Power Sources  
Automatic Send-Receive Set  
Automatic Spectrum Analyzer  
Automatic Test Set  
Automatic Tester  
Auxiliary Storage  
Auxiliary Storage Magnetic Drum Unit

#### B-Box

##### B-Register

Binary Counter  
Binary to Decimal Converter  
Blanker, TapeSplice  
Bubble Memory  
Buffer, Digital  
Buffer-Register, Digital  
Buffer, Storage Unit  
Burstter, Paper Forms

#### Cables

Calculator, Programmable  
Calculator, Stored Program  
Card Punch Digital Couplers  
Card Reader  
Card Reader, Punch  
Cassette Recorder  
Cathode Ray Tube Terminals  
Central Processing Unit  
Channel Decoder  
Channel Demodulator  
Character Reader, Optical  
Check Register  
Circulating Register  
Cleaning Unit; Magnetic Tape  
Clock, Digital  
Clock, Incremental  
Coder, Electromechanical  
Collators  
Command System  
Command and Control System  
Comment Coder  
Communication Controller  
Communication Processor  
Communication Terminals  
Commutator, Signal  
Comparator, Digital Data  
Comparator, Electronic, Analog Computer  
Comparator, Memory Address, Computer  
Comparator, Punched Tape

Comparator-Duplicator, Punched Tape  
 Comparator-General, Signal, Computer  
 Comparator-Multiplier  
 Compensator-Tape Speed  
 Compensator, Wow and Flutter, Tape Recorder  
 Computer-Aided Manufacturing  
 Computer-Amplifier  
 Computer-Amplifier-Storer  
 Computer, Analog  
 Computer Arithmetic Unit  
 Computer Calculator'  
 Computer Comparator, Memory Address  
 Computer, Digital  
 Computer Exchange  
 Computer, Hybrid  
 Computer Output-Microfilmed (COM)  
 Computer Process Verifier  
 Computer Register, Message  
 Computer Selector, Memory Address  
 Computer Set, Electronic Reconnaissance Data  
 Computer Set, General Information Data  
 Computer Signal Comparator-Generator  
 Computer Signal Generator-Synchronizer  
 Computer Simulator-Verifier  
 Computer, Special Purpose  
 Computer, Special Requirement  
 Computer System, Analog  
 Computer System, Digital  
 Computer System, Hybrid  
 Concentrator, Data  
 Console, Alphameric-Graphic Display  
 Console, Input-Output, Analog Computer  
 Console, Input-Output, Digital Computer  
 Console, Input-Output, Hybrid Computer  
 Console, Message Assignment  
 Console, Operators, Digital Computer  
 Console, Remote Inquiry, Digital Computer  
 Console, Situation Display  
 Console, Tape Switch Control  
 Control, Computer Programmer  
 Control, Electronic Command Signal Programmer  
 Control, Film Selector  
 Control, Film Sorter  
 Control Group, Data Analysis  
 Control, Magnetic Drum  
 Control, Memory Extension  
 Control Panels  
 Control-Shift Register Group  
 Control System, Data Format  
 Control, Tape Switching  
 Control Unit  
 Controller, Communication  
 Conversion System, Analog to Digital  
 Conversion System, Digital to Analog

Converter, Analog to Digital  
Converter, Binary to Decimal  
Converter, Digital to Analog  
Converter, Digital to Binary  
Converter, Digital to Current  
Converter, Digital to Digital  
Converter, Digital to Power  
Converter, Digital to Voltage  
Converter Group, Print to Digital  
Converter, Keyboard to Magnetic Tape  
Converter, Magnetic Tape to Magnetic Tape  
Converter, Magnetic Tape to Microfilm  
Converter, Magnetic Tape to Punched Card  
Converter, Magnetic Tape to Remote Line  
Converter, Paper Tape to Remote Line  
Converter, Punched Card to Magnetic Tape  
Converter, Punched Card to Remote Line  
Converter, Punched Card to X-Y Plotting  
Converter, Punched Tape to Magnetic Tape  
Converter, Punched Tape to Punched Card  
Converter, Punched Tape to Punched Tape  
Converter, Punched Tape to X-Y Plotting  
Converter, Remote Line to Magnetic Tape  
Converter, Remote Line to Paper Tape  
Converter, Remote Line to Punched Card  
Converter-Shift Register Group  
Converter-Storer, Signal Data  
Converter-Storer Group, Signal Data  
Converter-Storer, Subassembly  
Core, Magnetic  
Core, Memory Array Unit  
Core Memory Unit  
Counter, Binary  
Counter, Electronic Data  
Counter Assembly, Electronic Digital  
Coupler-Control, Card Reader to Line Printer  
Coupler, Digital Data  
Coupler, Digital, Card Punch  
Coupler, Digital, Tape Punch  
Coupler,- Digital, Tape Recorder  
Cross Telling Input Unit

Data Acquisition System, Analog  
Data Acquisition System, Digital  
Data Acquisition System, Hybrid  
Data Analysis Central  
Data Analysis Control Group  
Data Analysis Programming Group  
Data Assimilator  
Data Cell Drive  
Data Collection and Processing Group  
Data Collection and Processing System  
Data Communication System, Computer  
Data Concentrators  
Data Control System, Tape Recorder

Data Converter-Power Supply Group  
 Data Line Terminal  
 Data Logger  
 Data Logging System  
 Data Plotter  
 Data Processing Marginal Checking Group  
 Data Reduction System, Marginal Checking Group  
 Data Reduction System, Oscillographic  
 Data Set .  
 Data Station  
 Data Storage, Magnetic Disk  
 Data Storage, Magnetic Disk (Floppy).  
 Data Terminal  
 Decimal to Binary Converter  
 Decoder,  
 Decoder, Channel  
 Decollator, Paper Forms  
 Decommutator, Signal  
 Degausser, Magnetic Tape  
 Delay Line  
 Delay Unit, Tape Speed Compensation  
 Demodulator  
 Demodulator, Channel  
 Demodulator, Tape Recorder  
 Demultiplexer, Signal  
 Dictionary, Automatic  
 Differential Analyzer-Automatic  
 Differential Analyzer, Digital  
 Differential Analyzer, Electronic  
 Differential Analyzer, Mechanical  
 Differentiator  
 Digital Computer  
 Digital Computer System  
 Digital Converting-Programming Group  
 Digital Counter Assembly, Electronic  
 Digital Data Accumulating and Indicating Device  
 Digital Data Comparator Assembly  
 Digital Data Coupler  
 Digital Data Encoder-Tape Punches .  
 Digital Data Set  
 Digital Multimeter  
 Digital Multiplexor  
 Digital Power Sources  
 Digital Printers  
 Digital Readout Film Readers  
 Digital Recorders  
 Digital Tape Recorder-Reproducer  
 Digital Tape Reproducer  
 Digital Signal Analyzer  
 Digital to Analog Conversion System  
 Digital Voltmeter  
 Digitizer  
 Digitizer Optical Film Reader  
 Discriminator, FM  
 Discriminator, Subcarrier

Disk, Floppy  
Disk, Memory Unit  
Display System, CRT  
Display Terminal  
Display Unit, Alphameric, CRT  
Display Unit, Alphameric-Graphic CRT  
Distributor, Time-Pulse  
Document Data Display Group  
Document Data Indexing Set  
Document Data Processing Central  
Document Data Processing Set  
Drawer Unit, Module  
Drawer Unit, Power Supply Module  
Driver, Pulse, Tape Punch  
Drum, Magnetic Data" Storage  
Duplicator, Punched Tape

Electronic Counter-Shift Register  
Electronic Digital Counter Assembly  
Electronic Switching System  
Encoder-Coupler, Digital Data  
Encoder-Indicator, Digital Data  
Encoder-Shaft  
Encoder-Tape Punch, Digital Data  
Eraser, Magnetic  
Exchange, Computer  
Expansion Chassis  
Expansion System, Analog  
Expansion System, Digital  
Extended Core Memory Storage Device

Facsimile Equipment  
Film Optical Sensing Device  
Film Readers, Data Reduction, Digital Readout  
Flexowriter  
Flying Spot Scanner  
Frame, Main  
Function Generator

Gate, Electronic  
Gate, Information  
Gate, Logic  
Generator, Digital Display  
Generator, Function, Analog Computer  
Generator, Gaussian Noise  
Generator-Multiplier, Analog Computer  
Generator, Situation Display  
Generator-Synchronizer Signal, Computer  
Generator, Time Code  
Graphic Display  
Graphic Terminal  
Guidance System, Aircraft  
Guidance System, Tactical  
Guidance System, Tank

( . ;  
Head Assembly, Read-Write  
Head, Projection, Film Reader  
Head, Recording Magnetic Tape  
Head, Reproducing, Magnetic Tape  
Hybrid Computer System

Incremental Clocks  
Incremental Recorder  
Incremental Recorder (Cassette)  
Indicator, Digital Display  
Information Gate  
Integrator, Analog  
Integrator? Network, Analog Computer  
Integrator-Resolver, Analog  
Intelligent Terminal  
Interface System  
Interpreters  
Isolator Differential

Keyboard, Receive  
Keyboard, Send  
Keyboard, Send Receive  
Key Entry Recording  
Keypunch  
Key Station  
Keytape  
Key to Disk  
Key to Storage

Link Charnel Unit .  
Ling Diagnostic Unit  
Limiter, Analog  
Logic Cards

Magnetic Character' Reader  
Magnetic Cores  
Magnetic Disk Data Storage  
Magnetic Drum, Data Storage  
Magnetic Drum, Group  
Magnetic Drum Storage Data Amplifier  
Magnetic Tape Adapter  
Magnetic Tape to Microfilm  
Magnetic Tape Recorder  
Magnetic Tape Recorder-Reproducer  
Magnetic Tape Reproducer  
Magnetic Tape Transport  
Magnetic Tape Writer  
Matrix Code  
Mass Storage Unit  
Matrix, Computer  
Memory Address Computer Comparator  
Memory Address Computer Selection  
Memory Storage Board  
Memory-Storage Device, Analog  
Memory-Storage Device, Cylindrical Film

Memory-Storage Device, Disk  
 Memory-Storage Device, Electrostatic  
 Memory-Storage Device, Extended Core  
 Memory-Storage Device, Floppy Disk  
 Memory-Storage Device, Magnetic Bubble  
 Memory-Storage Device, Magnetic Core  
 Memory-Storage Device, Magnetic Disk  
 Memory-Storage Device, Magnetic Drum  
 Memory-Storage Device, Magnetic Tape  
 Memory-Storage Device, Optical  
 Memory-Storage Device, Planar Film  
 Memory-Storage Device, Plated Wire  
 Memory-Storage Device, Semiconductor  
 Memory-Storage Device, Thin Film  
 Memory-Storage Device, Woven Wire  
 Memory Unit  
 Message Computer Register  
 Microcomputer  
 Microfilm, Computer Output or Magnetic Tape  
 Microprocessor  
 Microprogrammed  
 Minicomputer  
 Modems  
 Modulator, Tape Recorder  
 Monitor, CRT, Tape Recorder  
 Monitor, Meter, Tape Recorder  
 Motherboard  
 Mouse  
 Multicoder  
 Multiplier, Analog Computer  
 Multiplexer, Analog  
 Multiplexor-Converter, Analog to Digital  
 Multiplexor, Digital  
 Multiplexer, Frequency Division  
 Multiplexer-Shift Register Group  
 Multiplexer, Signal  
 Multiplexer, Time Division  
 Multiplier  
 Multiprogrammer  
  
 Network Analyzer, Analog/Digital  
 Node  
 Numerical Control Equipment  
  
 Optical Character Reader  
 Optical ID Reader  
 Optical Mark Reader  
 Optical Page Reader  
 Oscillographic Analyzer and Reader System  
 Oscillographic Trace Reader "  
 Palette, Graphics  
 Panel, Interconnection, Digital Computer  
 Panel, Meter-Attenuator, Tape Recorder  
 PC Cards  
 Perforator, Tape



Phototypesetter  
 Plotter, Graphics  
 i \ Plotter, Incremental  
 Plotter, X-Y  
 Plotting System, Graphics  
 Potentionmeter, Coefficient, Analog Computer  
 Power Supply, Computer  
 Power Supply, Converter  
 Power Supply, Data Acquisition  
 Power Supply, Recorder-Reproducer  
 Printers  
 Processor Controller, Analog Computer  
 Processor Verifier, Computer  
 Processors  
 Programmable Calculators, Billing Machines  
 Programmable Current Sources  
 Programmable Power Supplies  
 "Programmable Voltage Suppliers  
 Programmer, Antenna Position  
 Programmer, Electronic Command Signals  
 Programmer, Plugboard  
 Programmers  
 Punch, Card  
 Punch, Paper Tape  
  
 Reader, Character  
 Reader-Generator, Time Cards  
 Reader, Oscillographic, Film or Chart  
 Reader, Paper Tape  
 Reader-Printer  
 Reader-Punch, Punch Tape  
 Reader, Punch Card  
 Reader, Punch Tape  
 Reader-Tape, Search Control, Time Code  
 Reader, Time Code  
 Receiver, Digital Data  
 Recorder, Digital  
 Recorder, Computer Image  
 Recorder-Incremental  
 Recorder, Magnetic Tape  
 Recorder-Reproducer, Analog, Wideband, Video  
 Recorder-Reproducer, Cassette  
 Recorder-Reproducer, Incremental  
 Recorder-Reproducer, Key Entry  
 Recorder-Reproducer, Magnetic Tape  
 Recorder-Reproducer, Punch Tape  
 Recorder, Video  
 Recorder, X-Y  
 Recording Set, Electronic Reconnaissance Data  
 Recording Unit  
 Register, Access Control  
 Register, Accumulator  
 Register, Check  
 Register, Circulating  
 Register, Computer

Register, Index  
Register, Message, Computer  
Register-Router, Binary Data  
Register-Timer, Binary Data  
Regulator, Reference, Analog Computer  
Reproducer, Card  
Reproducer, Incremental  
Reproducer, Magnetic Tape  
Reproducer, Set, Electronic Reconnaissance Data  
Resolver  
Resolver-Multiplier, Analog Computer

Scanner, Chart, Data Reduction Systems  
Scanner, Cross Bar  
Scanner, Digital  
Scanner, Flying Spot  
Scanner-Programmer, Master  
Scanner-Programmer, Slave  
Search and Control Unit, Magnetic Tape  
Selector, Charnel, Digital  
Selector, Film  
Selector, Interval, Program Timing System  
Selector, Memory Address, Computer  
Selector Unit, Marginal Checking  
Semiconductor Memory  
Separator, Paper Forms  
Separator, Pulse, Channel Synchronizing  
Server, Disk  
Server, File  
Server, Printer  
Servo-Multiplier, Analog Computer  
Shift Register  
Signal Comparator-Generator, Computer  
Signal Comparator-Synchronizer, Computer  
Simulation System  
Simulator  
Simulator-Verifier, Computer  
Smart Terminal  
Sorter  
Sorter, Film  
Source Data Equipment  
Space Control System  
Special Purpose Computer  
Special Requirement Computer  
Splicers  
Spoolers  
Storage, Auxiliary  
Storer, Track Data  
Switch, Communication  
Switching Unit

Tablet, Graphics  
Tabulator  
Tape Converter  
Tape Reader, Punch

Tape Transport, Magnetic  
 Tape Unit, Cartridge  
 Tape Unit, Cassette  
 Tape Unit, Incremental  
 Tape Verifier  
 Teleprocessor  
 Telescriber  
 Teletype  
 Teletypewriter  
 Tape Unit, Cartridge  
 Tape Unit, Cassette"  
 Tape Unit, Incremental  
 Tape Verifier  
 Teleprocessor  
 Telescriber  
 Teletype  
 Teletypewriter  
 Terminal, Card  
 Terminal, Cassette  
 Terminal, Cathode Ray Tube  
 Terminal, Communication  
 Terminal, Computer  
 Terminal, Disk  
 Terminal, Display  
 Terminal, Floppy Disk  
 Terminal, Intelligent  
 Terminal, Keyboard  
 Terminal, Magnetic Tape  
 Terminal, Minicomputer  
 Terminal, Other  
 Terminal, Paper Tape  
 Terminal, Printer  
 Terminal, Remote Batch  
 Terminal, Smart  
 Terminal, Teletype  
 Terminal, Teletypewriter  
 Terminal, Typewriter  
 Test Set, Analog Computer  
 Test Set, Automatic  
 Test Set, Digital Computer  
 Test Set, Minicomputer  
 Test Set, Numerical Control System  
 Test Set, Special  
 Test Set, Tape  
 Trainers  
 Transcriber  
 Translator  
 Translator-Channel  
 Translator-Time .Code  
 Translator-Generator, Time Code  
 Transmitter, Digital Data  
 Transmitter-Receiver, Digital Data  
 Transport, Magnetic Tape  
 Typewriter, Input and/or Output  
 Typewriter to Cassette

Typewriter to Disk  
Typewriter to Magnetic Tape  
Typewriter to Verifier

Uniservo, Digital Tape Recorder-Reproducer  
Verifiers  
Video Disc  
Video Recorder and/or Player  
Voltmeter, Digital

Waveform System, Analog Computer  
Word Processor  
Word Terminal  
Workstation  
Writer, Magnetic Tape